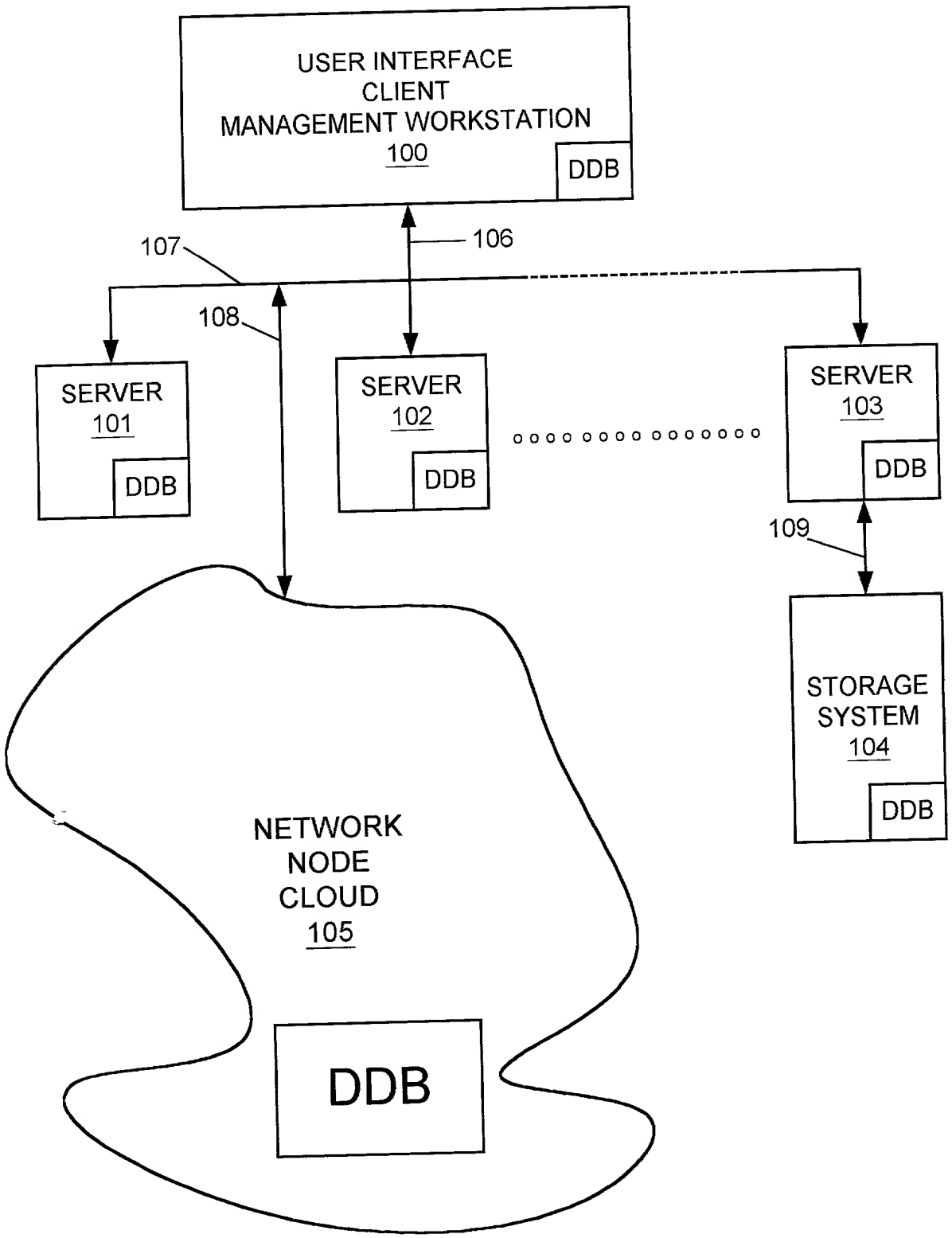
USER INTERFACE
CLIENT
MANAGEMENT WORKSTATION
100
DDB
106
107
108
SERVER
101
DDB
SERVER
102
DDB
SERVER
103
DDB
109
STORAGE
SYSTEM
104
DDB
NETWORK
NODE
CLOUD
105
DDB

FIGURE 1

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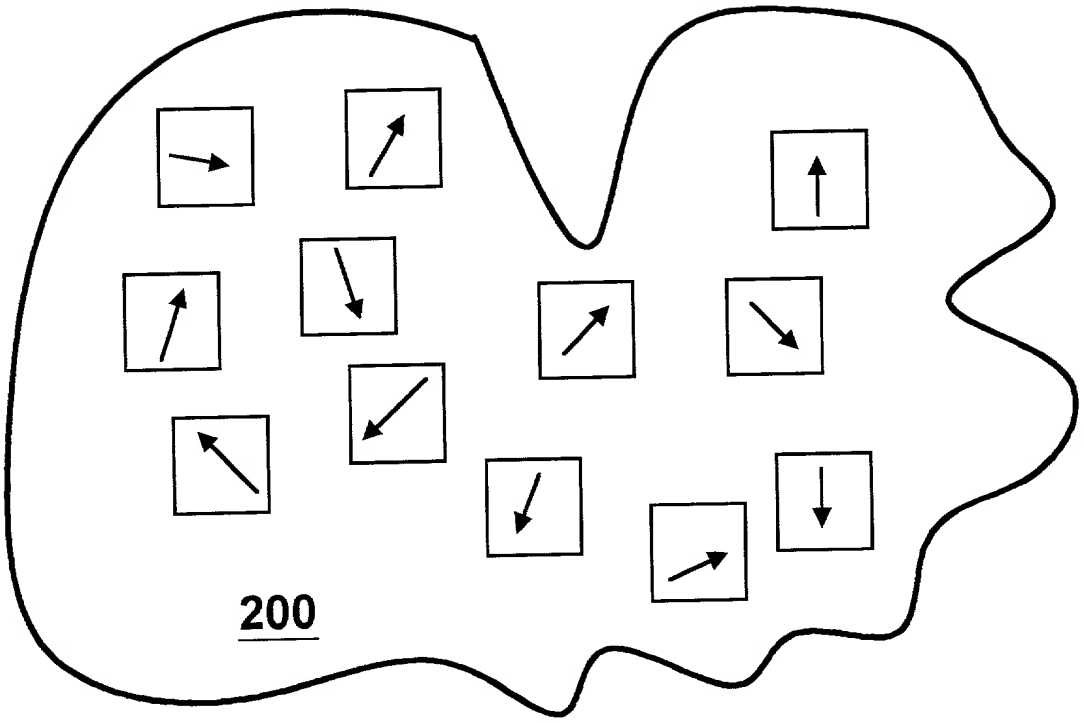

FIGURE 2

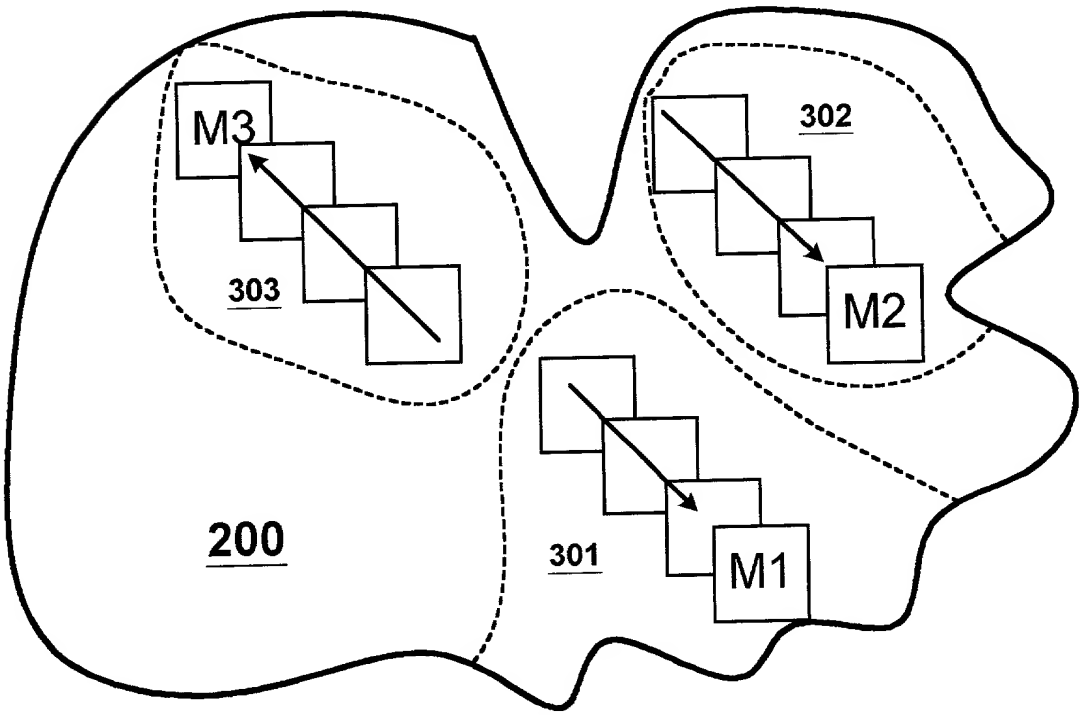

FIGURE 3

DOMAIN 401	DDB VERSION #_
NODE 1-M	IP ADDRESS 1
NODE 2	IP ADDRESS 2
NODE 3	IP ADDRESS 3
NODE 4	IP ADDRESS 4

FIGURE 4B

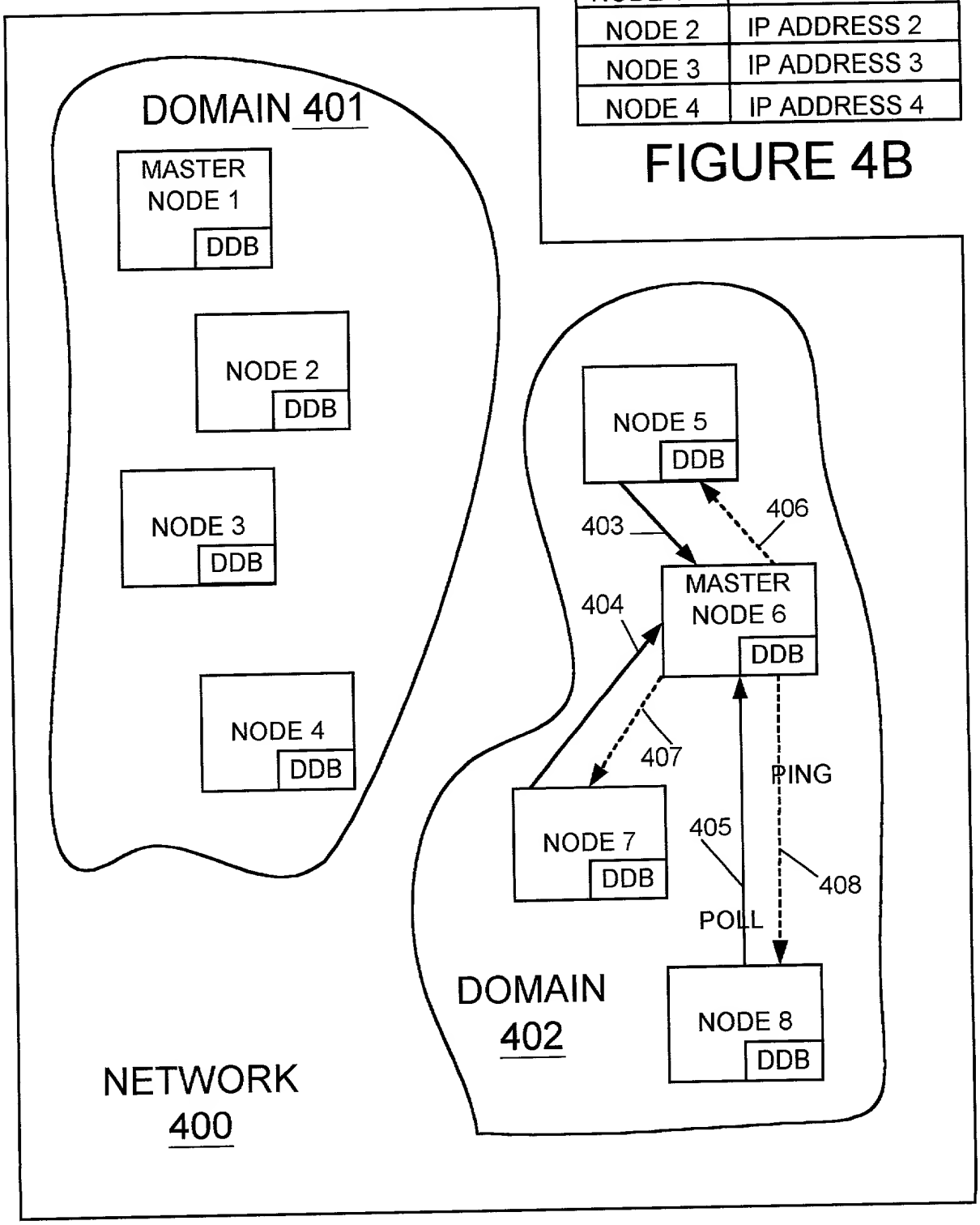

FIGURE 4A

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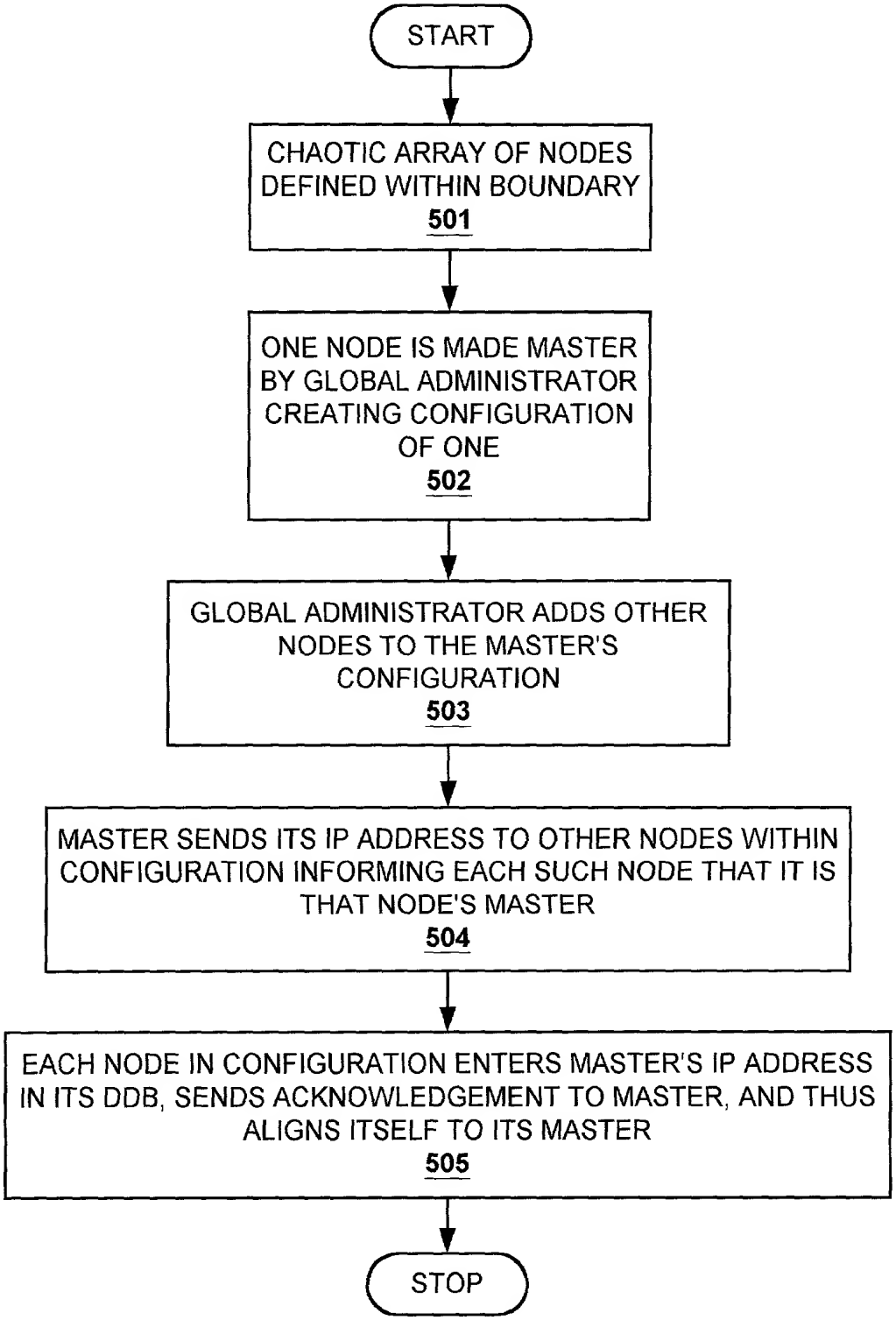
START
CHAOTIC ARRAY OF NODES DEFINED WITHIN BOUNDARY
501
ONE NODE IS MADE MASTER BY GLOBAL ADMINISTRATOR CREATING CONFIGURATION OF ONE
502
GLOBAL ADMINISTRATOR ADDS OTHER NODES TO THE MASTER'S CONFIGURATION
503
MASTER SENDS ITS IP ADDRESS TO OTHER NODES WITHIN CONFIGURATION INFORMING EACH SUCH NODE THAT IT IS THAT NODE'S MASTER
504
EACH NODE IN CONFIGURATION ENTERS MASTER'S IP ADDRESS IN ITS DDB, SENDS ACKNOWLEDGEMENT TO MASTER, AND THUS ALIGNS ITSELF TO ITS MASTER
505
STOP

FIGURE 5

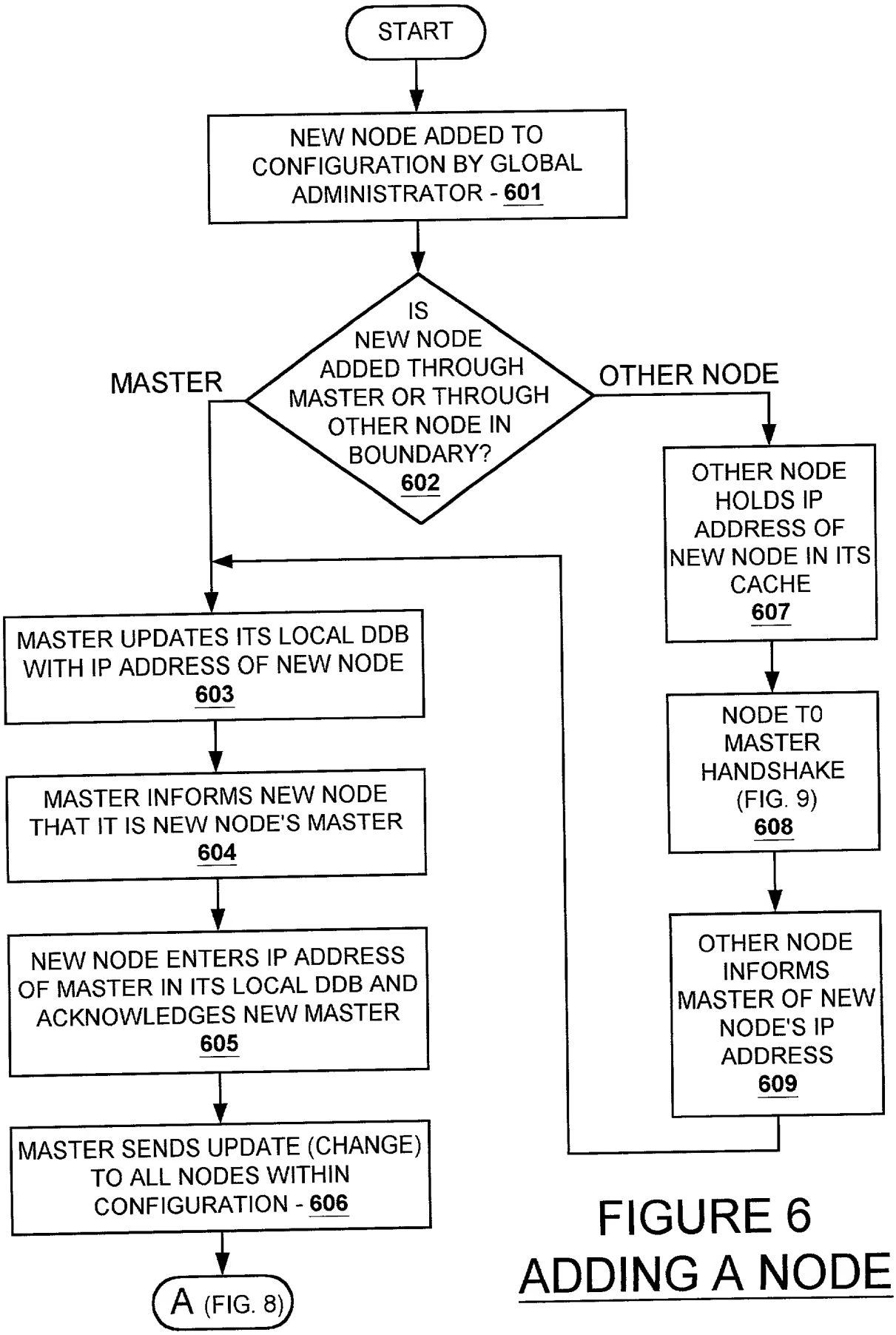

FIGURE 6
ADDING A NODE

FIGURE 7
REMOVING A NODE

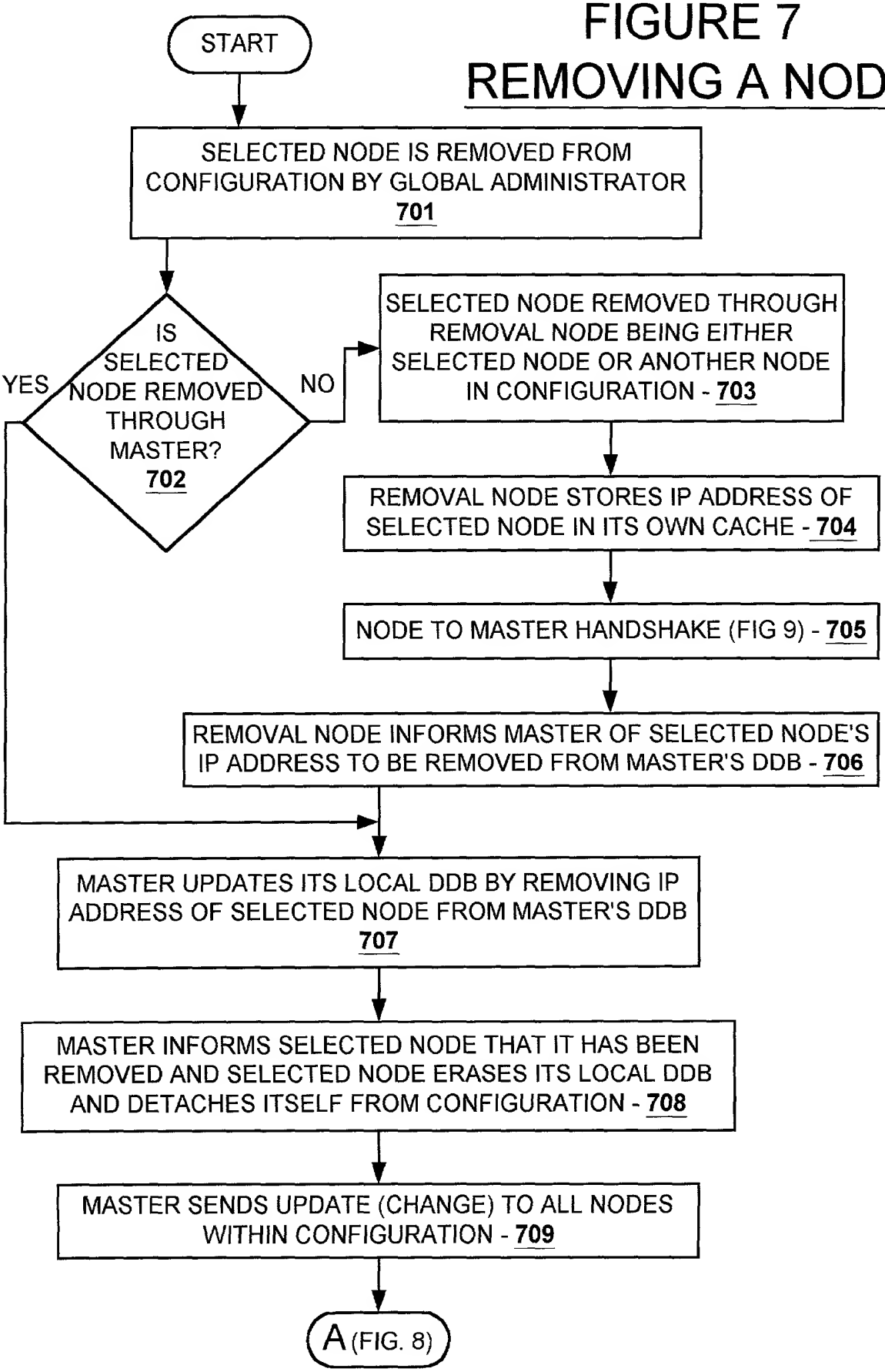

FIGURE 8
MASTER TO NODE HANDSHAKE

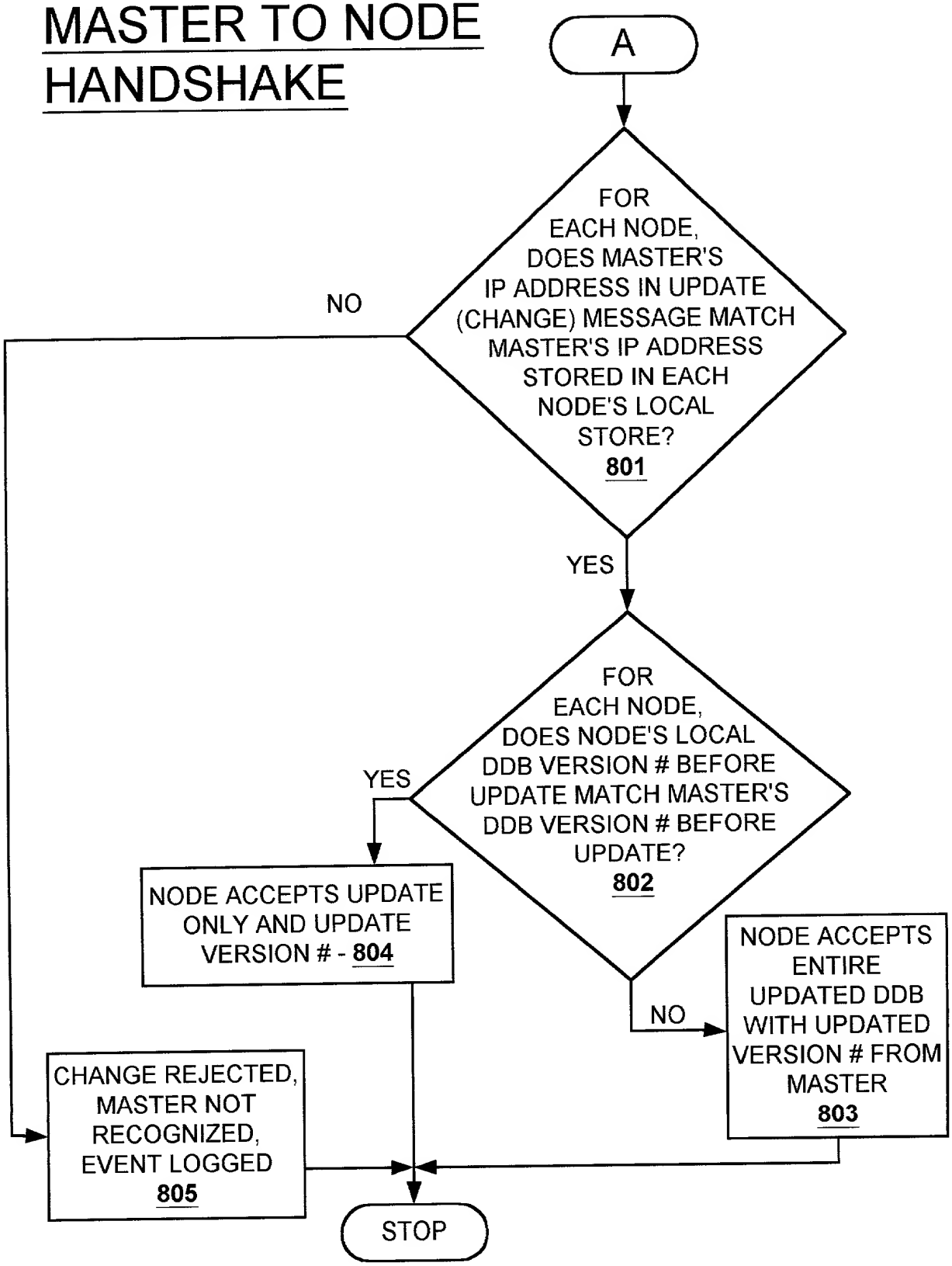

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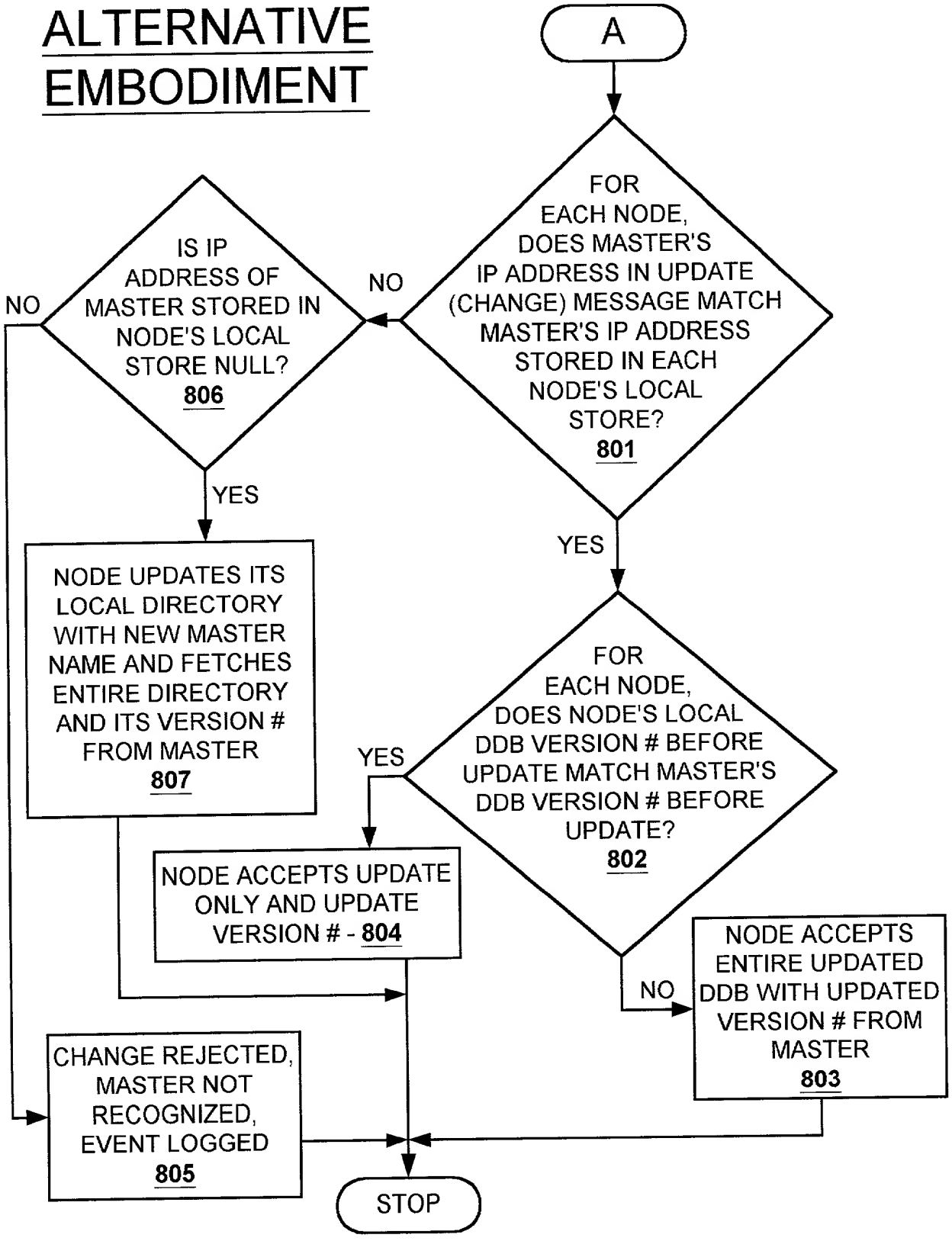
FIGURE 8A
MASTER TO NODE HANDSHAKE ALTERNATIVE EMBODIMENT



EXPRESS MAIL NO. EV 276 050 405 US

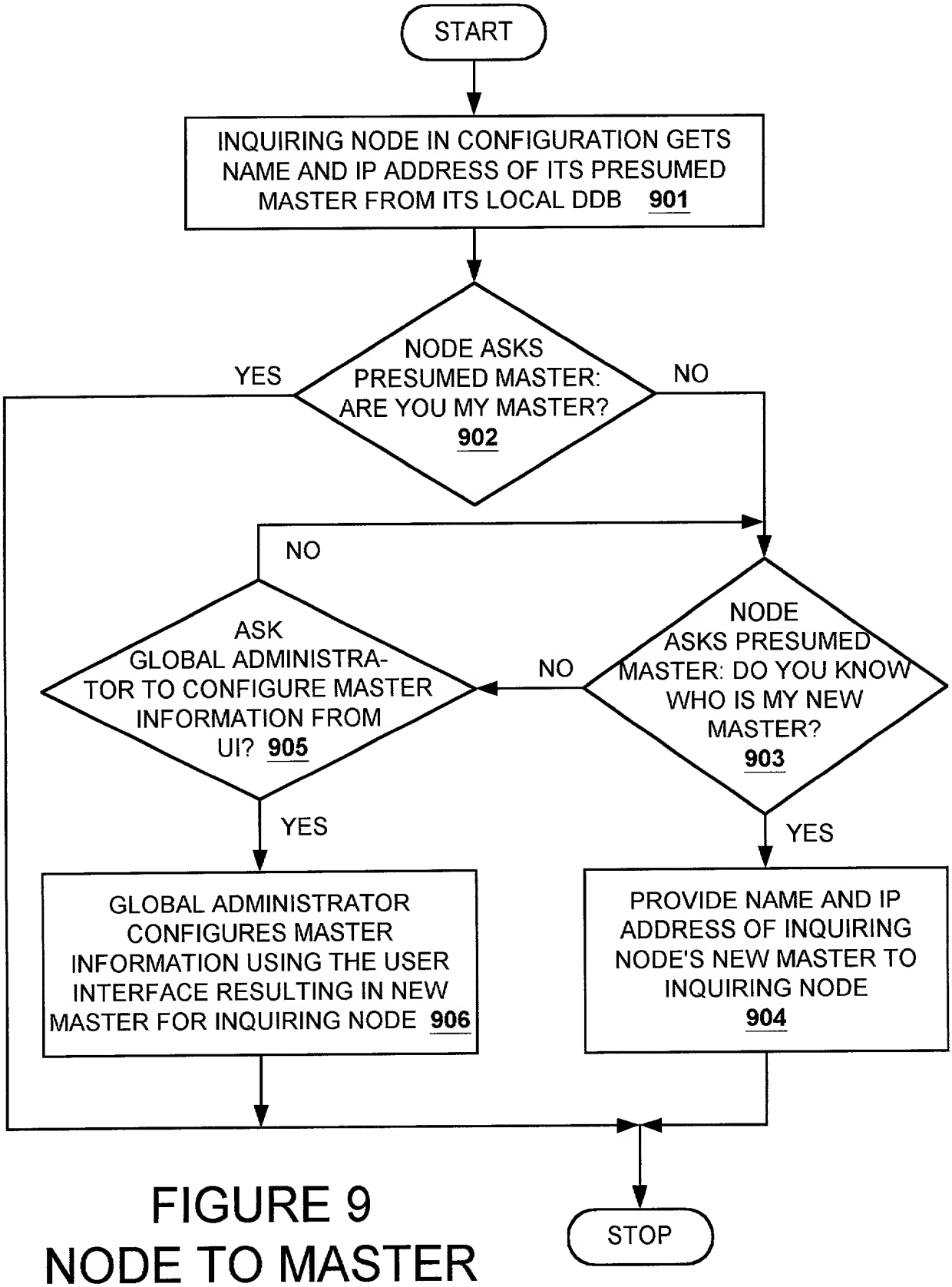


FIGURE 9
NODE TO MASTER HANDSHAKE

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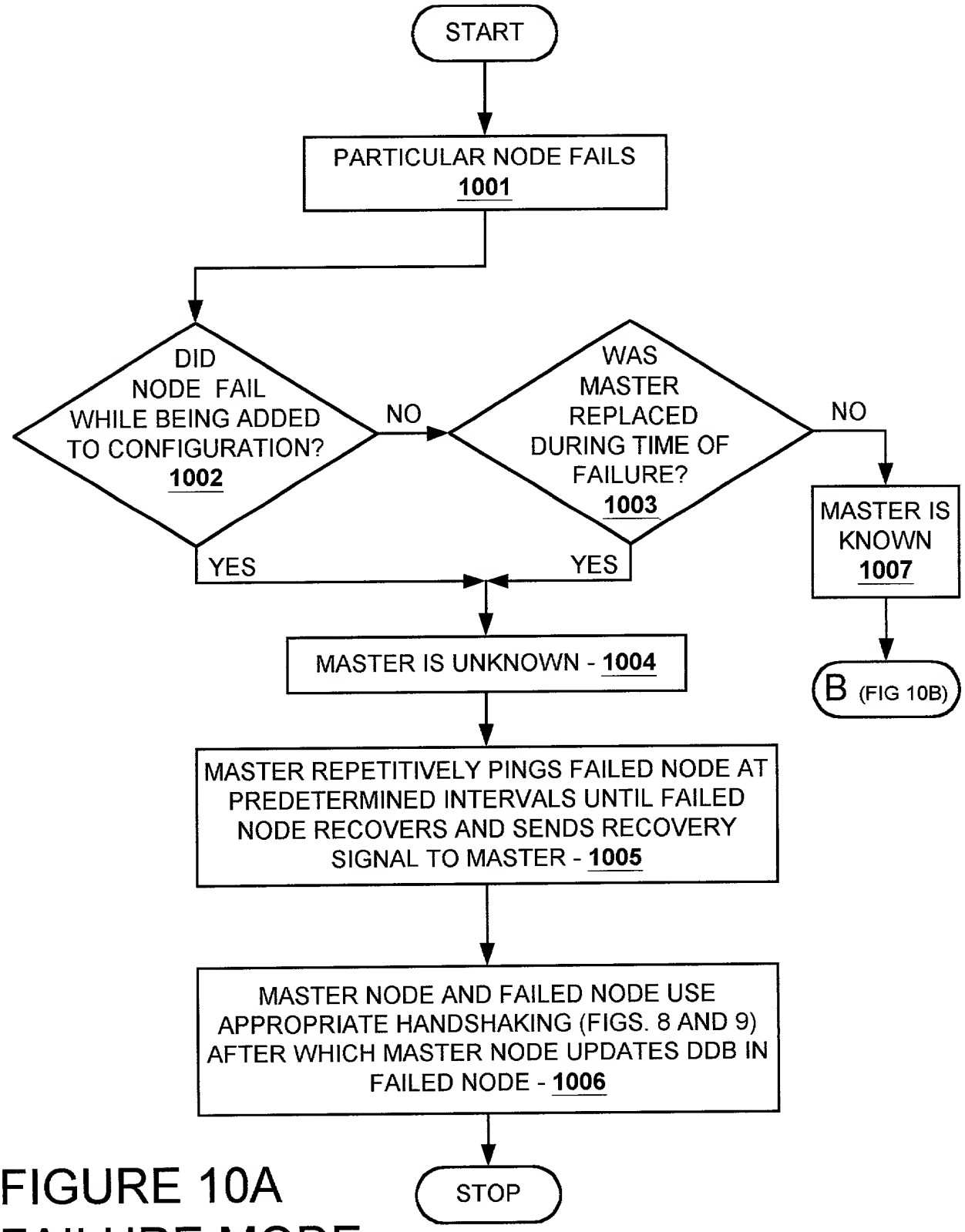


FIGURE 10A
FAILURE MODE
(FAILED NODE - MASTER UNKNOWN)

FIGURE 10B FAILURE MODE (FAILED NODE - MASTER KNOWN)

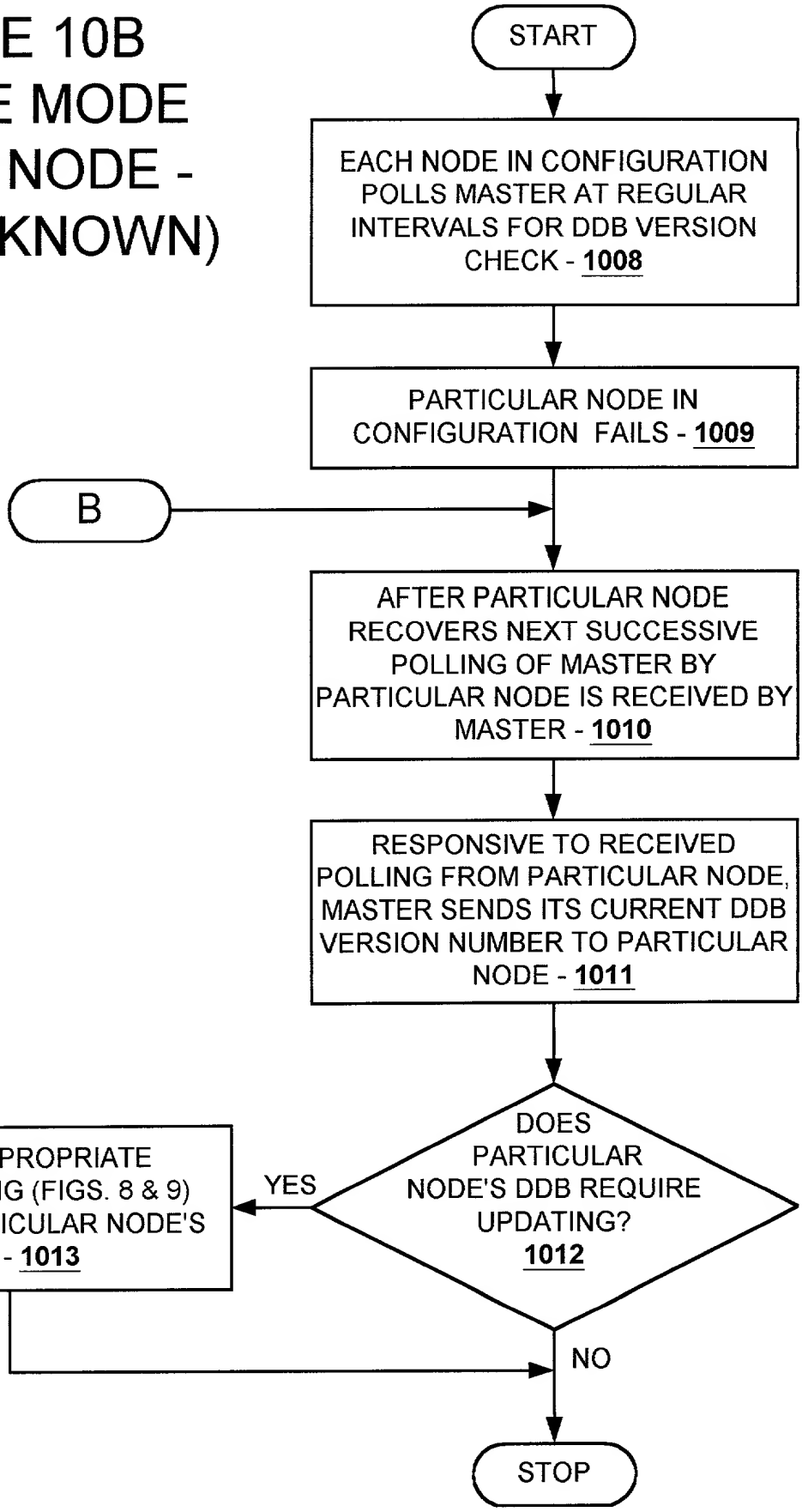


FIGURE 11
FAILURE MODE
(FAILED LINK)

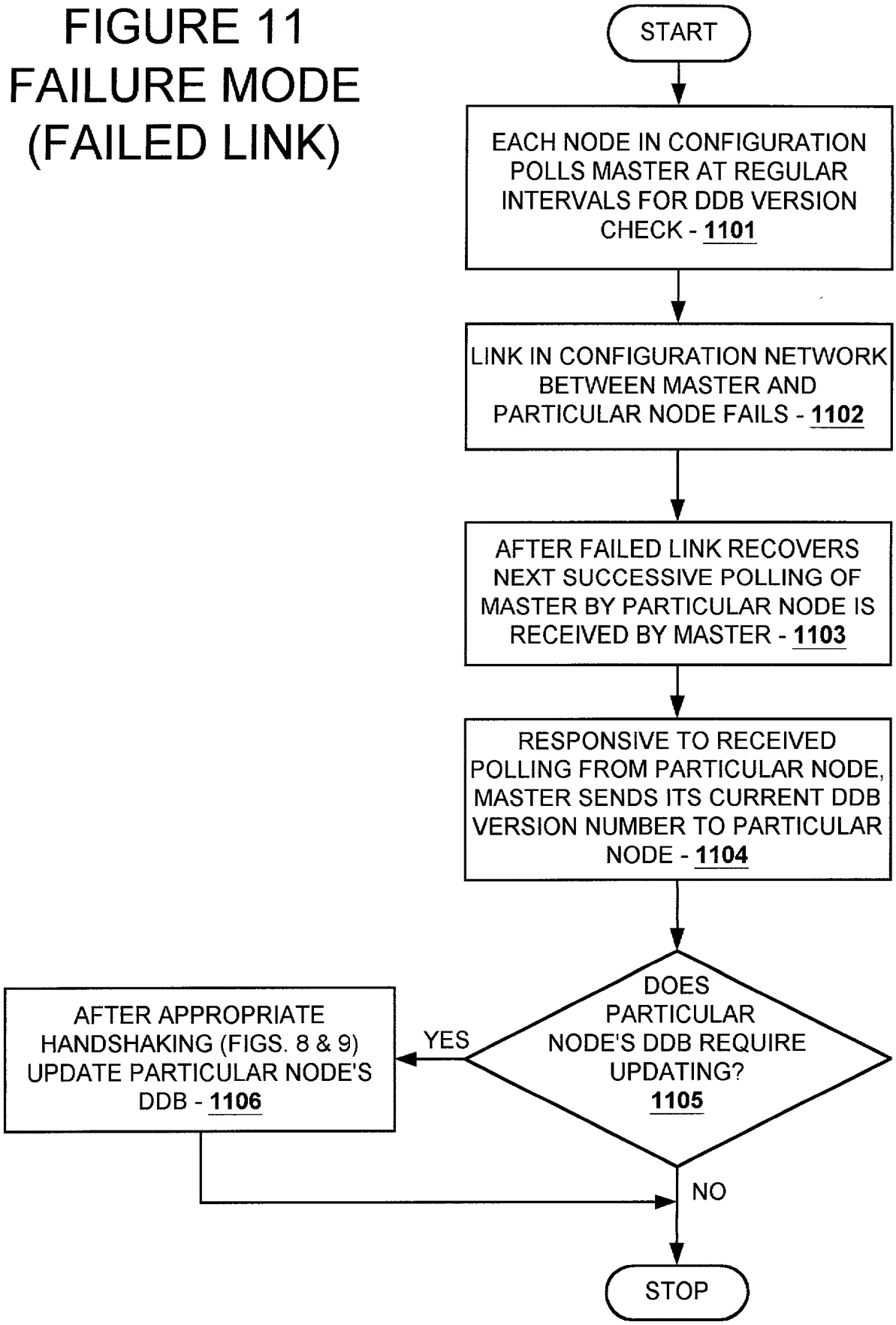
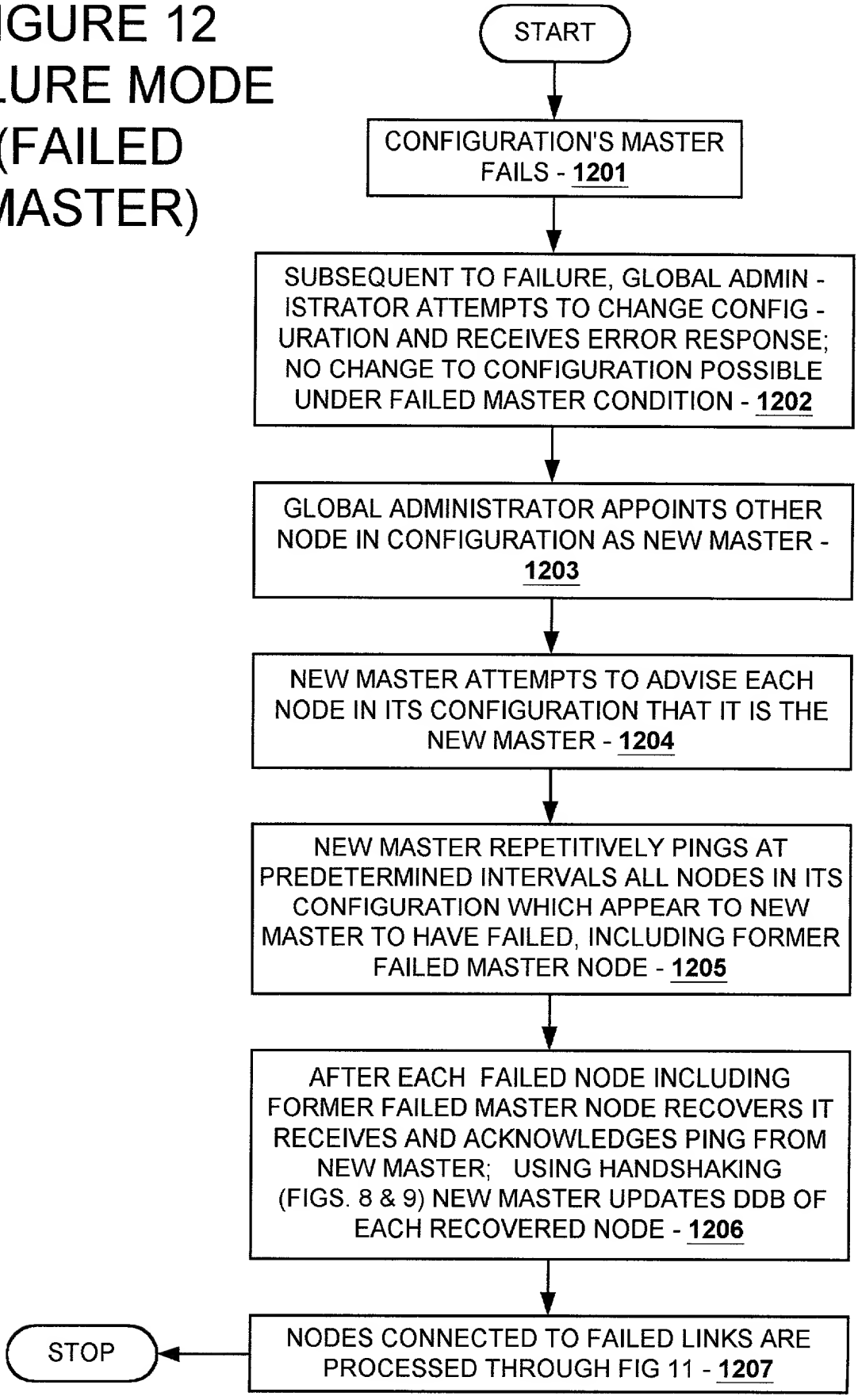


FIGURE 12 FAILURE MODE (FAILED MASTER)



Docket: 6045.6650

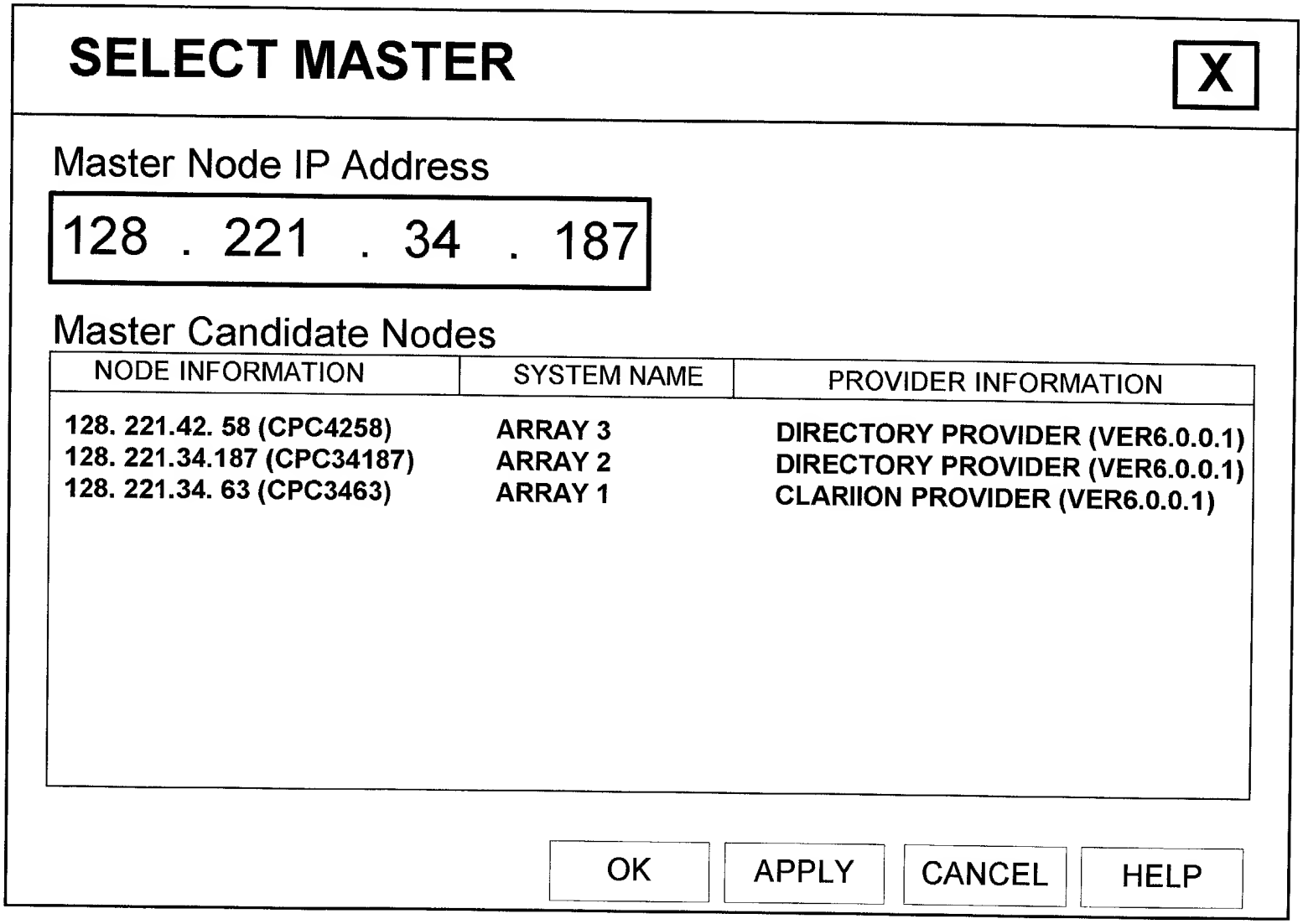

SELECT MASTER
X
Master Node IP Address
128 . 221 . 34 . 187
Master Candidate Nodes
NODE INFORMATION
SYSTEM NAME
PROVIDER INFORMATION
128. 221.42. 58 (CPC4258)
ARRAY 3
DIRECTORY PROVIDER (VER6.0.0.1)
128. 221.34.187 (CPC34187)
ARRAY 2
DIRECTORY PROVIDER (VER6.0.0.1)
128. 221.34. 63 (CPC3463)
ARRAY 1
CLARIION PROVIDER (VER6.0.0.1)
OK
APPLY
CANCEL
HELP

FIGURE 13

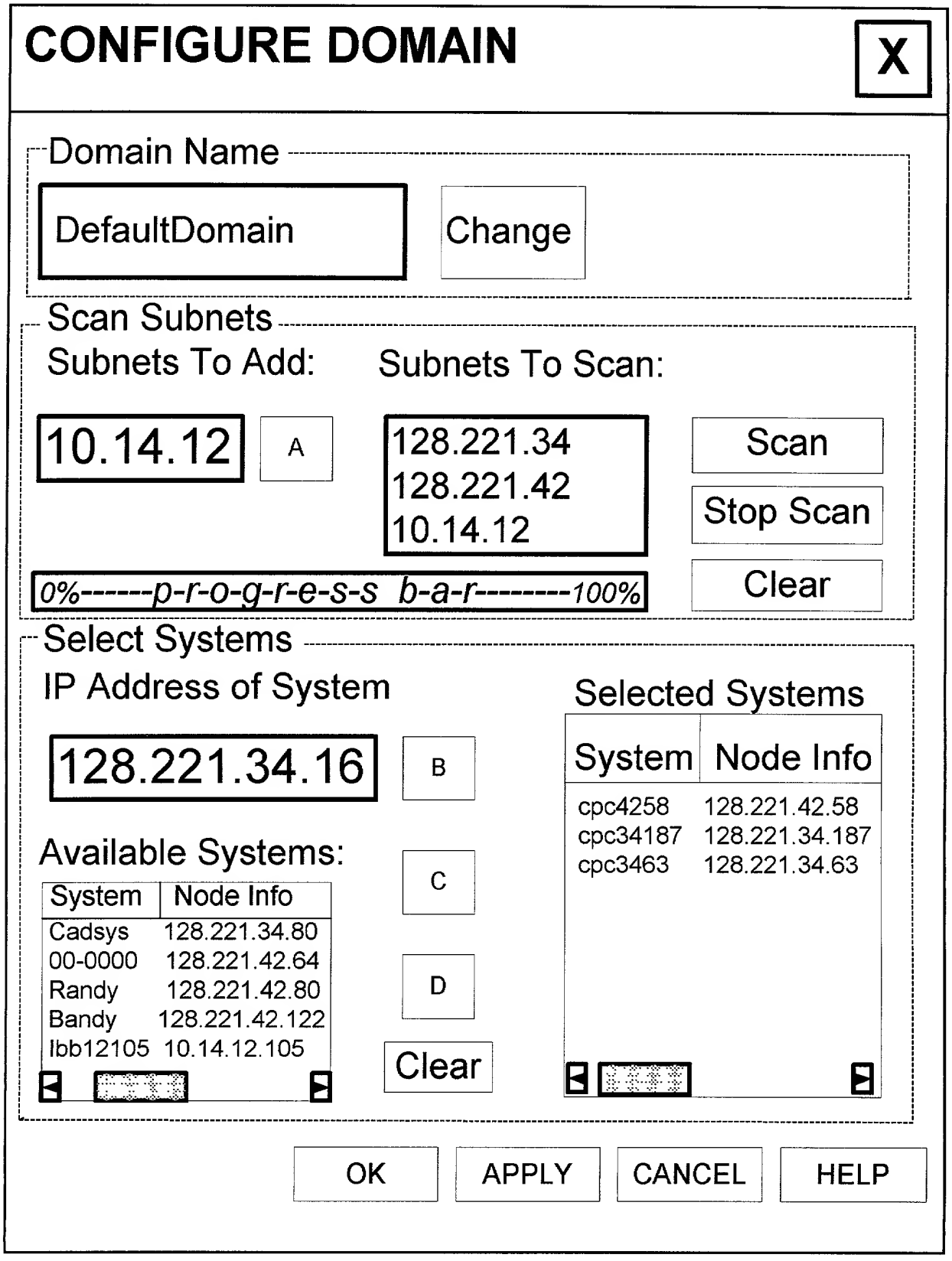

CONFIGURE DOMAIN
X
Domain Name
DefaultDomain
Change
Scan Subnets
Subnets To Add:
Subnets To Scan:
10.14.12
A
128.221.34
128.221.42
10.14.12
Scan
Stop Scan
Clear
0%-----p-r-o-g-r-e-s-s b-a-r-------100%
Select Systems
IP Address of System
128.221.34.16
B
Available Systems:
System
Node Info
Cadsys 128.221.34.80
00-0000 128.221.42.64
Randy 128.221.42.80
Bandy 128.221.42.122
lbb12105 10.14.12.105
C
D
Clear
Selected Systems
System
Node Info
cpc4258 128.221.42.58
cpc34187 128.221.34.187
cpc3463 128.221.34.63
OK
APPLY
CANCEL
HELP

FIGURE 14